

SECTION 6

6.18 COMPOUND AND TURBINE METERS:

Compound meters consist of two meters, one to measure small flows and the other to measure large flows. The two meters are assembled either in one case, or, especially for larger flows, in separate cases coupled together. Compound meters are so designed that the small meter operates during low flows and as flows begin to increase, the large meter takes over. When the large meter is in operation the small meter may or may not be in operation.

Turbine meters are designed to measure primarily large flows, and should not be used where the possibility of small flows below the manufacturer's stated minimum flow exists.

All turbine meters size 6 inch and larger shall have a flanged in-line basket strainer installed on the upstream side. All turbine meters smaller than size 6 inch shall have a flanged in-line basket strainer installed on the upstream side if required by the manufacturer. Strainers shall conform to MS-25.

In general, meters sizes 3 inches and larger for use as master meters, or in commercial, industrial, manufacturing, or irrigation uses, shall be turbine type meters conforming to MS-17. Meters sizes 3 inches and larger, for uses other than those described for turbine meters, shall be compound type meters conforming to MS-16.

In addition to the usage guidelines stated above, the provisions of 6.16 shall apply to the compound and turbine meters.